

Timing diagram for the LED drive circuit. The diagram shows three LED channels (R, G, B) and their corresponding SW signals over time. The time axis is marked with  $t$ . The diagram is divided into "ONE FRAME" and "SUB-FRAME" periods. The SW signals are ON and OFF pulses. The R channel has a pulse in the first sub-frame. The G channel has a pulse in the second sub-frame. The B channel has a pulse in the third sub-frame. The time intervals between the start of each sub-frame are marked as  $d$ .

**FIG. 2B**

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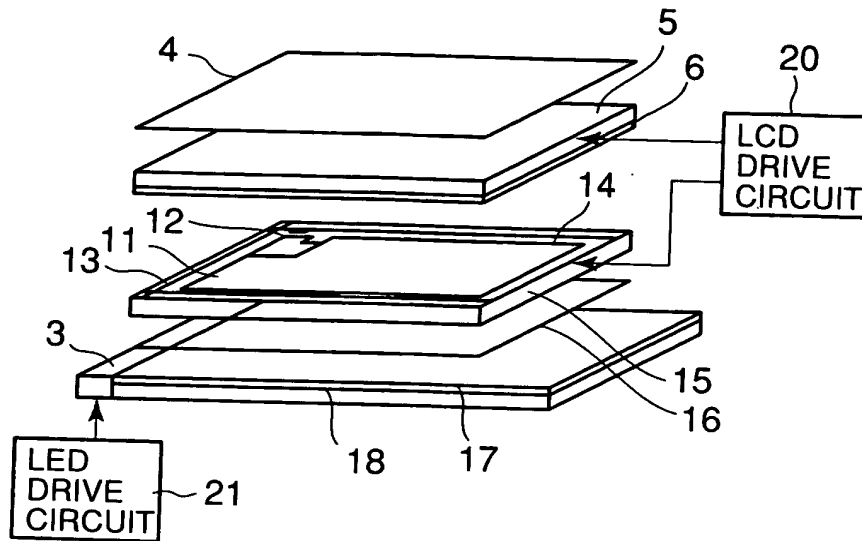


FIG. 3

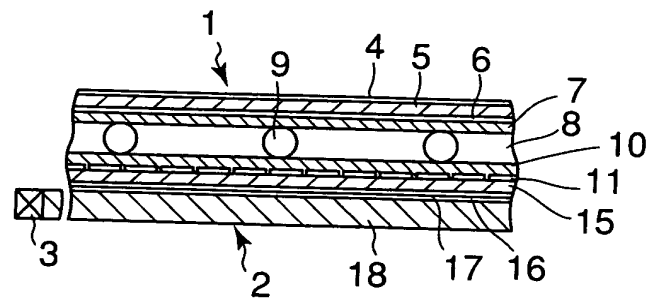


FIG. 4

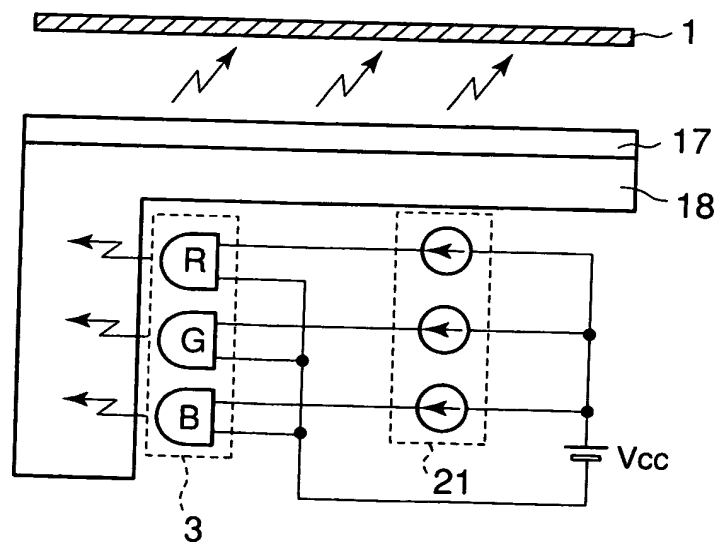


FIG. 5